	Application No.	Applicant(s)
Notice of Allowability	10/721,656	YAMAGUCHI ET AL.
	Examiner	Art Unit
	Marc E. Norman	3744
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RESIDENT OF THE OFFICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RESIDENT.	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due course. <b>THIS</b>
1. This communication is responsive to <u>application filed 25 November 2003</u> .		
2. The allowed claim(s) is/are <u>1-12</u> .		
3.   The drawings filed on 25 November 2003 are accepted by the Examiner.		
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have been received.</li> </ul>		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment o	or in the Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of I	nformal Patent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	<del></del>	Summary (PTO-413),
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No	./Mail Date s Amendment/Comment
Paper No./Mail Date <u>11/25/03</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8 ⊠ Evaminar'	s Statement of Reasons for Allowance
of Biological Material	9. ☐ Other	

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## REASONS FOR ALLOWANCE

Claims 1-12 are allowed.

The following is an examiner's statement of reasons for allowance:

As per independent claim 1, the prior art does not teach an ejector cycle system comprising the combination as recited, and in particular the combination of the bypass means and switching device, wherein the interior heat exchanger is coupled to the ejector such that the refrigerant flowing out of the interior heat exchanger is introduced into at least a refrigerant inlet of the nozzle in the hot gas heating mode.

As per independent claim 8, the prior art does not teach an ejector cycle system comprising the combination as recited, and in particular the combination of the recited cooling and hot gas heating modes, and wherein in the hot gas heating mode refrigerant discharged from the compressor flows into the nozzle, is introduced into the interior heat exchanger through the low-pressure suction port, and flows into the gas-liquid separator, while bypassing the exterior heat exchanger.

As per independent claim 11, the prior art does not teach an ejector cycle system comprising the combination as recited, and in particular, in the hot gas heating mode, the refrigerant discharged from the compressor being is introduced into the clearance while bypassing the exterior heat exchanger, and flows into the interior heat exchanger from the ejector.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc E. Norman whose telephone number is 571-272-4812. The examiner can normally be reached on Mon.-Fri., 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Denise Esquivel can be reached on 571-272-4808. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MN

MARC NORMAN PRIMARY EXAMINER